

B7

Multichannel droplet generator

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US5334352
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US4730197
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Tubular shaped outlets (4) are present on the outlets (13), whose cross-section is smaller than the cross-section of the channels in the distributor (3) and whose length and cross-section are coordinated with the elasticity length and cross-section elastic connection (2) and conveying speed of the dosing arrangement (1). The multichannel-drop generator has a dynamic behavior which leads to a contact-free liquid removal and a subsequent complete emptying of the outlet (4). Multichannel-drop generator has a dosing arrangement (1), distributor (3) having an inlet (12) and several outlets (13), and an elastic connector (2) that connects the dosing arrangement (1) with the inlet (12). The inlet (12) is connected to the outlets (13) via a planar channel system made up of cascading T-pieces, which leads to a homogenous pressure distribution.

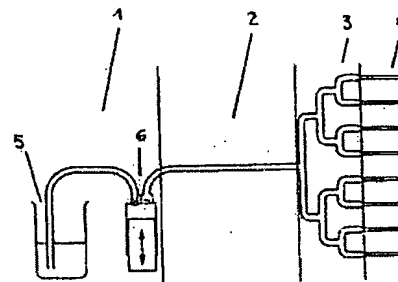


Fig. 1

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